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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
09/834,237	04/12/2001	Prathima Agrawal	1258-US	5839
9941	7590	06/28/2005	EXAMINER	
TELCORDIA TECHNOLOGIES, INC. ONE TELCORDIA DRIVE 5G116 PISCATAWAY, NJ 08854-4157			CHANG, RICHARD	
			ART UNIT	PAPER NUMBER
			2663	

DATE MAILED: 06/28/2005

Please find below and/or attached an Office communication concerning this application or proceeding.

Office Action Summary

Application No.

09/834,237

Applicant(s)

AGRAWAL ET AL.

Examiner

Richard Chang

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-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☒ Responsive to communication(s) filed on 20 April 2005.
- 2a) ☐ This action is FINAL. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 1-24 is/are pending in the application.
- 4a) Of the above claim(s) 2, 9, 11 and 17-20 is/are withdrawn from consideration.
- 5) ☒ Claim(s) 3-8, 10 and 12-14 is/are allowed.
- 6) ☒ Claim(s) 1, 15 and 21 is/are rejected.
- 7) ☒ Claim(s) 16 and 22-24 is/are objected to.
- 8) ☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on _____ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some * c) ☐ None of:
1. ☐ Certified copies of the priority documents have been received.
2. ☐ Certified copies of the priority documents have been received in Application No. _____.
3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

* See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

- 1) ☐ Notice of References Cited (PTO-892)
- 2) ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
- 3) ☐ Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08)
Paper No(s)/Mail Date _____
- 4) ☐ Interview Summary (PTO-413)
Paper No(s)/Mail Date: _____
- 5) ☐ Notice of Informal Patent Application (PTO-152)
- 6) ☐ Other: _____

DETAILED ACTION

Response to Amendment

1. Applicant's arguments with respect to claims 1-24 have been fully considered but are moot in view of the new ground(s) of rejection.

Claims 2, 9, 11 and 17-20 had been canceled.

Claim Rejections - 35 USC § 103

2. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

3. Claims 1, 15 and 21 are rejected under 35 U.S.C. 103(a) as being unpatentable over US patent No. 6,697,354 ("Borella et al.") in view of US patent 6,738,362 ("Xu et al.").

Regarding claims 1, 15 and 21, Borella et al. teach a system and method for facilitating intra-domain mobility (See Fig. 15) comprising the steps and means of providing a home subnet (212 as a first network) that includes a home agent (208 as first agent) including the home network address (location information) on the home subnet (212) about a mobile node (210) (See Fig. 15, Col 19, lines 62-64),

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providing a foreign network that includes two or more sub networks (foreign subnet 218 and foreign subnets other than foreign subnet 218) and a foreign agent (216 as second agent) (See Fig. 15, Col 20, lines 65-67), and

registering the mobile node (210) with the foreign agent (216) (See Fig. 15, Col 19, line 64 to Col 20, line 3), such that

the mobile node (210) can roam from any of the sub network (218) to another sub network without communicating to the home agent (208 as first agent) information about the transition and without communicating to the foreign agent (216 as second agent) information about a security association between the mobile node (210) and home agent (208 as first agent) (See Fig. 16, Col 20, lines 65-67).

Borella et al. teach substantially all the claimed invention but did not disclose expressly the particular application involving limitations of

“the first agent includes a globally accessible redirection agent” and

“providing a second network includes providing at least two second agents”.

Xu et al. teach a Mobile IP networking with Home agents (18) and Foreign agents (16) where the first agent (Home agent 18) includes a globally accessible redirection home agent (HRA 18A) (See Fig. 4, Col. 6, lines 10-25) and providing a second network (16) by providing at least two second agents (FTA 16A, 16C) and a third agent (16D) (See Fig. 4, Col. 8, line 61 - Col. 9, line 2).

A person of ordinary skill in the art would have been motivated to employ Xu et al. in Borella et al. in order to obtain a practical wireless communication systems and methods for enhancement by exploiting the spatial domain and to take advantage of

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providing globally accessible redirection home agent (HRA) and at least two second foreign agents (FTA) in claims 1 and 15.

The suggestion/motivation to do so would have been to provide globally accessible redirection home agent (HRA) and at least two second foreign agents (FTA), as suggested by Xu et al. in Col. 6, lines 10-25 and Col. 8, line 61 - Col. 9, line 2. At the time the invention was made, therefore, it would have been obvious to one of ordinary skill in the art to which the invention pertains to combine Xu et al. with the Borella et al. to obtain the inventions specified in claims 1 and 15.

Allowable Subject Matter

4. Claim 3-8, 10 and 12-14 are allowed.

5. Claim 16 and 22-24 are objected to as being dependent upon a rejected base claim, but would be allowable if rewritten in independent form including all of the limitations of the base claim and any intervening claims and if no art rejection can be applied.

Examiner's Statement of Reasons for Allowance

6. The following is an examiner's statement of reasons for allowance:

The prior art along or in combination fails to teach or make obvious the following limitations:

"receiving, at the mobile node, a local care-of address (LCOA) and a global care-of address (GCOA); and registering the mobile node with the second agent,

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wherein the LCOA is used to forward a communication to the mobile node without determining a specific route to the mobile node" as recited in the independent claim 3, and
"registering the mobile node with a third agent associated with one of the subnetworks; sending, by the third agent, a local care-of address (LCOA) and a global care-of address (GCOA) to the mobile node; and registering the mobile node with the second agent, wherein the LCOA is used to forward a communication to the mobile node without determining a specific route to the mobile node" as recited in the independent claim 4.

Conclusion

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Richard Chang whose telephone number is (571) 272-3129. The examiner can normally be reached on Monday - Friday from 8 AM to 5 PM.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Ricky Ngo can be reached on (571) 272-3139. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

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Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

pv

rkc

Richard Chang
Patent Examiner
Art Unit 2663

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Ricky Ngo
RICKY NGO
PRIMARY EXAMINER

6/27/05